

# AMOXICILLIN TRIHYDRATE FINE POWDER

Description	White or almost white granular powder
Solubility	Slightly soluble in water, very slightly soluble in ethanol (96%), practically insoluble in fatty oils. It dissolves in dilute acids and dilute solutions of alkali hydroxides
Specific optical rotation	+290° to +315°
pH	3.5 - 5.5
Water content	11.5-14.5 %
Sulphated Ash.	N.M.T 1.0%
Assay	98.0% - 101.0%
Each of Impurities	N.M.T 1.0%
6-APA	N.M.T 0.5%
N,N- Dimethyl aniline	N.D
Packaging	25 kg in double polyethylene bags in each carton box.
Storage	Preserve in tight container store below 30°C and dry place
Shelf Life	36 months

The Referred Material Complies With BP & USP

## General Properties

### IIUPAC Name

(2*S*,5*R*,6*R*)-6-[[*(2R)*-2-Amino-2-(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo [3.2.0] heptane-2-carboxylic acid trihydrate.

**Molecular Weight:** 419.46

**Molecular Formula:** C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>5</sub>S. 3H<sub>2</sub>O

**Cas registry NO.** 61336 – 70 -7

### Indication

Semi - synthetic broad spectrum Penicillin

### Structure

